

CMSWS
Educational
Opportunities:
Grades K – 2



Who we are

Charlotte-Mecklenburg Storm Water Services (CMSWS) is a joint City/County utility to manage the runoff from rainfall, reduce flooding, restore floodplains and protect the water quality of surface waters county-wide.

One way that we do this is by providing **FREE** educational presentations to students. This year we are providing virtual options for all of our programs. Please contact us if you have any questions!



Sharnelle G. Currence



Ken Friday



Taylor Mebane



Ashley Smith



Educational Offerings:

We can provide any of the below presentations in-person or virtually. If virtual, we ask that the teacher creates the event in whatever platform their classroom is utilizing (Zoom, Google, Skype, etc.) and invite our staff member to attend the meeting. Pages 4-5 outline NCDPI Standards that we can cover. See the contact information on page six to set up a presentation.

Story Time

We have several books related to pollution, the water cycle, and stormwater. Just let us know what topic you would like us to cover and we will read to your students and have a discussion afterwards. Supplemental activity sheets may also be provided.

Sediment Model

Watch a demonstration using soil from three different areas and how that effects the type of erosion and water quality that comes from those areas.

Water Cycle

Students will learn about all of the different forms and phases that water goes through. We will also discuss all of the water resources we have in Charlotte-Mecklenburg.

Volunteer Opportunities

Are your students looking for an extra credit activity, volunteer hours, or maybe just a classroom competition? Students can monitor a stream, label storm drains that remind people the drain is only for rain, or perform a litter pickup. Students can do activities on their own, with family, or friends, or they can attend one of our volunteer activities hosted the second Saturday or last Thursday of every month. More info can be found on our website (StormWater.CharMeck.org).

Applicable NCDPI Standards

Kindergarten

- K.E.1 Understand change and observable patterns of weather that occur from day to day and throughout the year.
- EX.K.E.1 Explore changes when manipulating objects.
- EX.K.L.1 Understand basic categories such as plants, animals, people, and objects.
- EX.K.L.2 Use observation skills to attend to the environment.

1st Grade

- 1.E.2.1 Summarize the physical properties of earth materials, including rocks, minerals, soils and water that make them useful in different ways.
- 1.E.2.2 Compare the properties of soil samples from different places relating their capacity to retain water, nourish and support the growth of certain plants.
- 1.L.1.3 Summarize ways that humans protect their environment and/or improve conditions for the growth of the plants and animals that live there (e.g., reuse or recycle products to avoid littering).

2nd Grade

- 2.E.1 Understand patterns of weather and factors that affect weather.
2.E.1.2 Summarize weather conditions using qualitative and quantitative measures to describe; Temperature, Wind direction, Wind speed, Precipitation
- 2.E.1.4 Recognize the tools that scientists use for observing, recording, and predicting weather changes from day to day and during the seasons.

We look forward to educating your students!



All programs can be customized for you class. Please let us know specific vocabulary terms you would like for us to incorporate. Don't see a program specific to your needs? Contact us and we will work with you.

Contact Info

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